



U.S. Department
of Transportation
**Research and
Special Programs
Administration**

400 Seventh St., S.W.
Washington, D.C. 20590

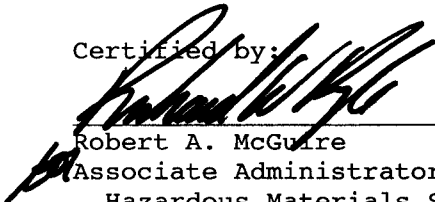
**IAEA CERTIFICATE OF COMPETENT AUTHORITY
SPECIAL FORM RADIOACTIVE MATERIALS
CERTIFICATE NUMBER USA/0392/S, REVISION 6**

This certifies that the source described has been demonstrated to meet the regulatory requirements for special form radioactive material as prescribed in the regulations of the International Atomic Energy Agency¹ and the United States of America² for the transport of radioactive materials.

1. Source Identification - AEA Technology QSA, Inc. Series 875 Capsule.
2. Source Description - Cylindrical single encapsulation made of Type 304 or 304L stainless steel and tungsten inert gas welded. Approximate exterior dimensions are 5.2 mm (0.205 in.) in diameter and 7.84 mm (0.309 in.) in length. Inside dimensions vary, but minimum wall thickness is 0.482 mm (0.019 in.). Construction shall be in accordance with attached Amersham Drawing No. 875 INNER, Rev. B.
3. Radioactive Contents - No more than 8.9 TBq (240.0 Ci) of either Iridium-192 or Cobalt-60 in the form of metallic wafers or pellets.
4. Quality Assurance - Records of Quality Assurance activities required by Paragraph 310 of the IAEA regulations¹ shall be maintained and made available to the authorized officials for at least three years after the last shipment authorized by this certificate. Consignors and consignees in the United States exporting or importing shipments under this certificate shall satisfy the requirements of Subpart H of 10 CFR 71.
5. Expiration Date - This certificate expires July 31, 2008.

This certificate is issued in accordance with paragraph 804 of the IAEA Regulations and Section 173.476 of Title 49 of the Code of Federal Regulations, in response to the petition and information dated July 9, 2003 submitted by AEA Technology QSA, Inc., Burlington, MA, and in consideration of other information on file in this Office.

Certified by:


Robert A. McGuire
Associate Administrator for
Hazardous Materials Safety

AUG 27 2003

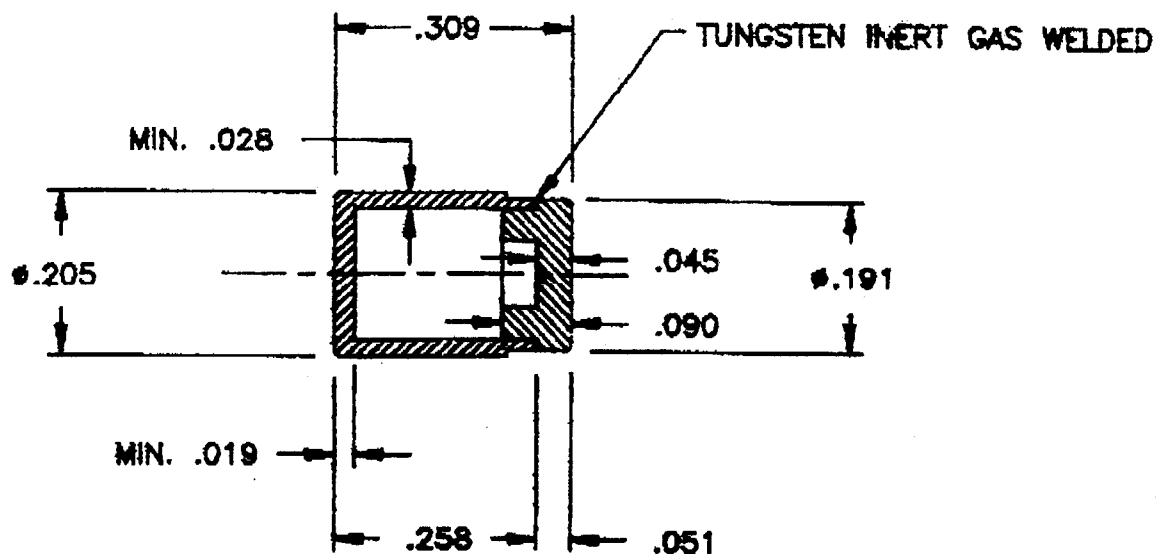
(DATE)

Revision 6 - Issued to extend the expiration date and update corporate name.

1 "Regulations for the Safe Transport of Radioactive Material, 1996 Edition (Revised), No. TS-R-1 (ST-1, Revised)," published by the International Atomic Energy Agency (IAEA), Vienna, Austria.

2 Title 49, Code of Federal Regulations, Parts 100 - 199, United States of America.

REV.	ENGINEER	DATE	DESCRIPTION
A	G. PARSONS	05-13-93	INITIAL RELEASE ECO# 1275
B	G. PARSONS	10-13-93	MIN. .028 DIM. ADDED ECO#



NOTES:

1. INTERNAL VOID VOLUME TO BE 0.010 ml OR GREATER
2. INNER CAVITY DIMENSIONS MAY VARY. METALLIC SPACERS, SPRINGS AND GUARDS WHICH SECURE AND/OR LOCATE THE RADIOACTIVE MATERIAL WITHIN THE CAPSULE MAY BE USED.

USED ON:

RELEASED FOR PRODUCTION ON _____ BY _____

MATERIALS:

304L ST. STL.

AMERSHAM CORPORATION
BURLINGTON, MA 01803**Amersham**

FINISH

DWG. TITLE

DATE	5-13-93	UNLESS OTHERWISE SPECIFIED TOLERANCES ARE
PREPARED	T. ABBOTT 5/11/93	.X ±0.1
ENGINEER		.XX ±0.01
CHECKED	G.P. 5-13-93	.XXX ±0.005
APPROVED	10/13/93	ANGLES ±1°
		FRACT ±1/64

875 SERIES INNER CAPSULE
DESCRIPTIVE DRAWING

CLASSIFICATION	SIZE	DWG. NO.	REV
NA	A	875 INNER	B
SCALE	4:1	SHEET 1 OF 1	